

**NONPROVISIONAL PATENT
APPLICATION TRANSMITTAL RULE §1.53(b)
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

13281 U.S. PTO
111303

Customer No. 004372
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Docket No. 023853-00030

Date: November 13, 2003

Commissioner for Patents
Washington, D.C. 20231

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is a nonprovisional patent application:

For (Title): Electronic Ballast for HO Fluorescent Lamps

By (Inventors): Carlos Gabriel Bianchim

Nine (9) pages of Specification/Claim 1/Abstract are attached.
 Two (2) pages of Formal Drawings (Figures 1-2) are attached.
 Priority of foreign application No. PI 0205859-6 filed Brazil in November 13, 2002 is claimed under 35 U.S.C. §119.

The filing fee is calculated below and includes claim status after entry of any Preliminary Amendment noted above:

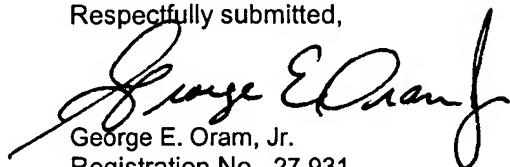
| FOR: | NO. FILED | NO. EXTRA |
|--|-----------|-----------|
| BASIC FEE | | |
| TOTAL CLAIMS | 1 - 20 | = 0 |
| INDEP CLAIMS | 1 - 3 | = 0 |
| <input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS | | |

| SMALL ENTITY | |
|--------------|-----------|
| OR | RATE |
| OR | \$ 385 |
| OR | x 9 = \$ |
| OR | x 43 = \$ |
| OR | +145 = \$ |
| OR | TOTAL \$ |

| LARGE ENTITY | |
|--------------|--------------|
| OR | RATE |
| OR | \$ 770 |
| OR | x 18 = \$ |
| OR | x 86 = \$ |
| OR | +290 = \$ |
| OR | TOTAL \$ 770 |

A check for the filing fee is not enclosed at this time.

Respectfully submitted,


George E. Oram, Jr.
Registration No. 27,931

GEO/jns

16834 U.S. PTO
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